

**Amendments to the Claims:**

1. **(Currently Amended)** A method of transfer of a call connection connecting a telecommunications base station and a mobile user terminal between dedicated channels in both directions therebetween and shared channels in both directions therebetween, comprising:

determining amount of data buffered at the base station and the user terminal for transmission therebetween and/or rate that data arrives at the base station and the user terminal for transmission therebetween;

determining a value of a measured parameter of signals between the base station and the user terminal, the parameter being signal attenuation or propagation delay; and

determining whether or not the shared channels are in a mode in which an acknowledgement of receipt is required to be received back before data is assumed to have been correctly received;

deciding to make the transfer, dependent upon said value and upon said amount or rate, and upon said mode determined.

2. **(Original)** A method of transfer of a call connection according to claim 1, in which for a shared channel call connection, upon the parameter value being determined as being less than a predetermined threshold, transfer is made to dedicated channels.

3. **(Original)** A method of transfer of a call connection according to claim 1 or claim 2, in which for a dedicated channel call connection, upon the parameter value being determined as being more than a predetermined threshold, transfer is made to shared channels.

4. **(Canceled)**

5. **(Original)** A method of transfer of a call connection according to claim 1, in which the shared channels are a Random Access Channel (RACH) and a Forward Access Channel (FACH), the base station comprises a radio network controller, and the base station and user terminal operate to transfer the call connection in accordance with the Universal Mobile Telecommunication System (UMTS) standard.

**6. (Previously Presented)** A telecommunications system comprising a base station and a mobile user terminal, the base station and the user terminal being in use in call connection over dedicated channels or shared channels,

the base station comprising decision means, a channel allocator, and a processor,

the decision means being operative to control transfer of the call connection by the channel allocator between the dedicated channels and the shared channels dependent upon:

a first input signal to the decision means indicating amount of data buffered at the base station and the user terminal for transmission therebetween and/or rate that data arrives at the base station and the user terminal for transmission therebetween;

a second input signal to the decision means indicating value of a measured parameter of signals between the base station and the user terminal, the parameter being signal attenuation or propagation delay, the parameter value being determined by the processor; and

a third input signal to the decision means indicating whether or not the shared channels are in a mode in which an acknowledgement of receipt is required to be received back before data is assumed to have been correctly received.

**7. (Original)** A telecommunications system according to claim 6, in which in use, for a shared channel call connection, upon the parameter value being determined as being less than a predetermined threshold, transfer is made to dedicated channels.

**8. (Original)** A telecommunications system according to claim 6, in which in use, for a dedicated channel call connection, upon the parameter value being determined as being more than a predetermined threshold, transfer is made to shared channels.

**9. (Canceled)**

**10. (Original)** A telecommunications system according to claim 6, in which the shared channels are a Random Access Channel (RACH) and a Forward Access Channel (FACH), the base station comprises a radio network controller and Node B, and the base station and user terminal operate to transfer the call connection in accordance with the Universal Mobile Telecommunication System (UMTS) standard.

**11. (Previously Presented)** A radio network controller comprising  
decision means, a channel allocator, and a determinator,

the decision means adapted to control transfer of a call connection via the channel allocator between dedicated channels and shared channels dependent upon:

a first input signal indicating an amount of data buffered for transmission, a rate that data arrives for transmission, or both the amount of data buffered for transmission and the rate that data arrives for transmission;

a second input signal indicating a value of a parameter, the parameter being signal attenuation or propagation delay of transmitted signals, the value of the parameter being determined by the determinator; and

a third input signal indicating whether or not the shared channels operate in a mode in which an acknowledgement of receipt is required to be received back before data is assumed to have been correctly received.

**12. (Previously Presented)** The radio network controller according to claim 11, in which, for a shared channel call connection, upon the value of the parameter being determined as being less than a predetermined threshold, the channel allocator indicates transfer is to be made to dedicated channels.

**13. (Previously Presented)** The radio network controller according to claim 11, in which, for a dedicated channel call connection, upon the value of the parameter being determined as being more than a predetermined threshold, the channel allocator indicates transfer is to be made to shared channels.

**14. (Previously Presented)** The radio network controller according to claim 11, in which the shared channels are a Random Access Channel (RACH) and a Forward Access Channel (FACH).

**15. (Previously Presented)** The radio network controller according to claim 11, further comprising:

a Node B, the Node B responsive to the channel allocator to transfer the call connection between dedicated channels and shared channels.

**16 (Previously Presented)** The radio network controller according to claim 11 wherein the call connection is transferred in accordance with the Universal Mobile Telecommunication System (UMTS) standard.